

### Technical Specifications

#### HP DreamColor Z27x G2 Studio Display

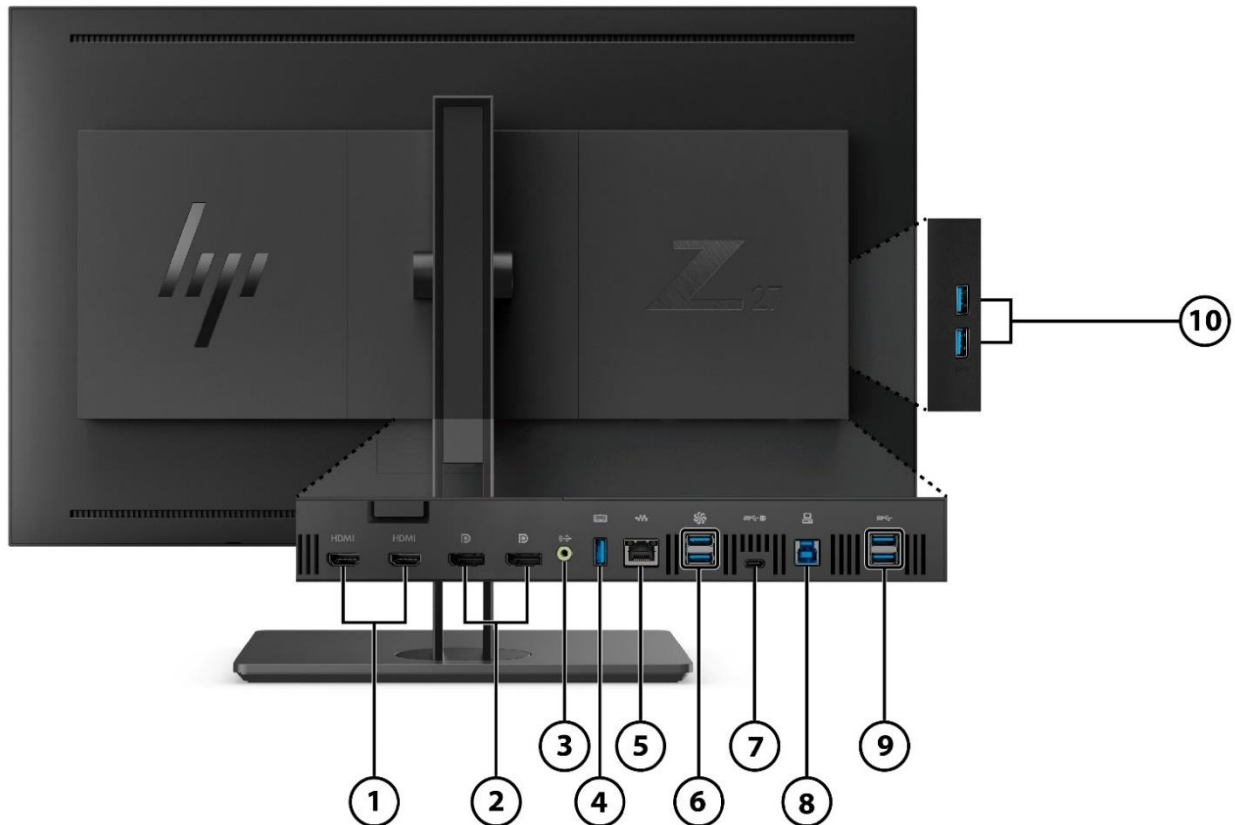


#### Front

- |                        |                        |
|------------------------|------------------------|
| <b>1. Power</b>        | <b>4. Luminance</b>    |
| <b>2. Open menu</b>    | <b>5. Video input</b>  |
| <b>3. Display info</b> | <b>6. Color preset</b> |

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#### Rear

- |   |                                      |
|---|--------------------------------------|
| <b>1. (2) HDMI 2.0</b>                  | <b>6. (2) DreamColor Ports (USB)</b> |
| <b>2. (2) DisplayPort™ 1.2</b>          | <b>7. USB Type-C™</b>                |
| <b>3. Audio out (analog)</b>            | <b>8. USB 3.0 Type-B</b>             |
| <b>4. KVM Keyboard Connection (USB)</b> | <b>9. (2) USB 3.0 Type-A</b>         |
| <b>5. RJ-45 Network Connector</b>       | <b>10. (2) USB 3.0</b>               |

### Technical Specifications

**Model:** 2NJ08A4

<b>Panel Specifications*</b>	<b>Display Size</b>	27-inch, 68,5 cm
	<b>Display Panel Type</b>	High Performance IPS
	<b>Native Resolution/Timing</b>	2560 × 1440 @ 60 Hz
	<b>NOTE:</b> The video card of the connected PC must be capable of supporting 2560 × 1440 at 60 Hz with 10-bit color using one DP, HDMI, or USB-C (DP alt mode).	
	<b>Panel Bit Depth</b>	10-bit (Up to 1.07 Billion colors)
	<b>Aspect Ratio</b>	16:9
	<b>Brightness - Typical</b>	250 cd/m <sup>2</sup> (calibrated)
	<b>Static Contrast Ratio - Typical</b>	1500:1
	<b>Static Contrast Ratio - Minimum</b>	1000:1
	<b>Flicker Free</b>	Yes
	<b>Pixel Pitch</b>	0.2331 × 0.2331 mm
	<b>Pixels Per Inch (PPI)</b>	109
	<b>Backlight Lamp Life (to half brightness - in hours)</b>	30,000 hours minimum
	<b>Anti-Glare Panel</b>	Yes
	<b>Response Time – Typical</b>	10.2 ms (gray-to-gray)
	<b>Horizontal Viewing Angle (typical CR&gt;10)</b>	178°
	<b>Vertical Viewing Angle (typical CR&gt;10)</b>	178°
	<b>Panel Active Area (w x h)</b>	596.736 x 335.664 mm
	<b>Preset Graphic Modes/Supported Resolutions</b>	640 × 480 @ 60 Hz 720 × 400 @ 70 Hz 800 × 600 @ 60.317 Hz 1024 × 768 @ 60.004 Hz 1280 × 720 @ 24 Hz 1280 × 720 @ 30 Hz 1280 × 720 @ 50 Hz 1280 × 720 @ 60 Hz 1280 × 1024 @ 60.020 Hz 1366 × 768 @ 60.000 Hz 1920 × 1080 @ 23.976 Hz 1920 × 1080 @ 24 Hz 1920 × 1080 @ 30 Hz 1920 × 1080 @ 50(i) Hz 1920 × 1080 @ 50 Hz 1920 × 1080 @ 59.94(i) Hz 1920 × 1080 @ 59.94 Hz 1920 × 1080 @ 60.000 Hz 1920 × 1200 @ 59.950 Hz 1920 × 1200 @ 59.995 Hz 2048 × 1080 @ 24.000 Hz 2048 × 1080 @ 48.000 Hz 2048 × 1080 @ 60.000 Hz 2560 × 1440 @ 48.000 Hz 2560 × 1440 @ 49.951 Hz 2560 × 1440 @ 50.000 Hz

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<b>Maximum Resolution</b>	2560 × 1440 @ 60 Hz
<b>Recommended Resolution</b>	2560 × 1440 @ 60 Hz
<b>Vertical Scan Range</b>	24 – 60 Hz
<b>Horizontal Scan Range</b>	27 – 90 Hz
<b>Default Color Temperature</b>	D65 (6504K)
<b>Maximum Pixel Clock Speed</b>	250 MHz

\*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

<b>Color Gamut Coverage (typical)</b>	<b>sRGB</b>	100%
	<b>Adobe RGB</b>	99%
	<b>BT.709</b>	100%
	<b>DCI-P3</b>	98%
<b>Color Management</b>	<b>Factory Color Calibrated</b>	Yes
	<b>Factory Color Presets</b>	DCI P3 D65, BT.709, BT.2020, sRGB D65, sRGB D50, Adobe RGB D65, Adobe RGB D50, Native
	<b>Color Space / Subsampling Support</b>	RGB 4:4:4, YC <sub>B</sub> CR 4:4:4, YC <sub>B</sub> CR 4:2:2, YC <sub>B</sub> CR 4:2:0
	<b>Default Color Temperature</b>	D65
	<b>Low Blue Light Modes</b>	Yes
	<b>RGB Channel Adjust</b>	Yes, Setup and Gain, downstream from color preset
	<b>User Calibration Support</b>	Integrated
	<b>Integrated Calibration Instrument</b>	Yes
	<b>External Calibration Instrument Support</b>	X-Rite i1Display Pro X-Rite i1 Pro Klein K10-A Photo Research PR-6xx/7xx Colorimetry Research CR-100/CR-250 Konica Minolta CA-310
	<b>Standalone / Schedulable Calibration</b>	Yes
<b>Scriptable Calibration</b>	Yes	
<b>Monitor Specifications</b>	<b>Exterior Color of Monitor Bezel and Stand</b>	Black
	<b>Plug &amp; Play</b>	Yes
	<b>Tilt</b>	-5° to +20°
	<b>Swivel</b>	-45° to +45°
	<b>Height Adjustment Range</b>	Yes, 81-201 mm (Tilt 20°)
	<b>VESA Mounting</b>	Yes, 100mm integrated
	<b>Security Lock Ready</b>	Yes
	<b>Detachable Base</b>	Yes, ships detached
	<b>Warranty</b>	3 years
	<b>Zero Bright Dot Warranty</b>	Yes

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<b>Multimedia</b>	<b>Audio System</b>	Analog audio output connector
<b>On Screen Display (OSD)</b>	<b>On Screen Display User Controls</b>	Color settings, Video input, Image scaling, Markers, Digital cinema region, PIP/Split, User preset, Calibration, Language, Management, Menu and message control, Information
	<b>User Programmable Modes</b>	Yes, 20
	<b>Monitor Control Buttons or Switches</b>	Power, 5 OSD buttons
	<b>User-Assignable Function Buttons</b>	Yes, 4 (19 options)
	<b>Languages</b>	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
<b>Connector Types</b>	<b>DisplayPort™</b>	2, DisplayPort™ 1.2
	<b>HDMI</b>	2, HDMI 2.0
	<b>USB Type-C™</b>	1, USB 3.1 Input, DP Alt-mode, 15W Power Delivery
	<b>HDCP support</b>	Yes, All Inputs
	<b>Audio Output</b>	1, Analog
	<b>Ethernet</b>	Yes
<b>USB Port Specifications</b>	<b>USB Version</b>	3.0
	<b>USB Hub</b>	Yes
	<b>Downstream Ports</b>	4, Type-A
	<b>Upstream Ports</b>	1, Type B or 1, Type C
	<b>Fast Charging USB Ports</b>	2 Ports (side)
	<b>HP DreamColor USB Ports</b>	2, USB 3.0
	<b>KVM Keyboard Port</b>	Yes
	<b>Power Output Maximum</b>	Fast Charging: 12.5 W Standard: 4.75 W
<b>USB-Type C™ Port Specifications</b>	<b>USB-Type C™ Version</b>	USB 3.1 Gen1 / 5G bps
	<b>USB-Type C™ Hub</b>	No (USB-C™ can provide upstream to USB Type-A Hub)
	<b>Downstream USB-Type C™ Ports</b>	0
	<b>Upstream USB-Type C™ Ports</b>	1
	<b>Video Support</b>	USB-C Alt mode – DisplayPort™ 1.2
	<b>Power Output</b>	5V, 3A
	<b>Power Output Maximum</b>	15W Max

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<b>Special Features</b>	<b>Picture-in-Picture, Picture-by-Picture</b>	Yes
	<b>KVM Switch</b>	Yes, Keyboard/OSD-control
	<b>Remote Manageability</b>	Yes, Web Dashboard, Host API, WS-Management
	<b>User Presets</b>	Yes
	<b>Digital Cinema Region Masking</b>	Yes
	<b>Marker Overlays</b>	Yes, preset and programmable
	<b>Video legal limiting (64–960)</b>	Yes, all inputs
	<b>Rename Video Inputs</b>	Yes
	<b>User Updateable Firmware</b>	Yes
<b>Power &amp; Operating Specs</b>	<b>Power Supply</b>	Internal
	<b>Power Source</b>	100 – 240 VAC 50/60 Hz
	<b>Power Consumption - Maximum</b>	160W
	<b>Energy Saving/Standby Mode</b>	0.5W
	<b>Power Consumption - Typical</b>	65 W
	<b>Power cable length</b>	(1.9m) 6.2 ft
<b>EU ENERGY EFFICIENCY CLASS (EC1062)</b>	<b>On-mode Power Consumption (EC 1062/2010)</b>	44W
	<b>Annual Power Consumption (EC 1062/2010)</b>	64 kWh
	<b>Energy Efficiency Class (EC 1062/2010)</b>	C
	<b>Visible Screen Size</b>	27-inch, 68,5 cm
<b>Operating Conditions</b>	<b>Operating Temperature - Celsius</b>	5°C – 35°C
	<b>Operating Temperature - Fahrenheit</b>	41°C – 95°F
	<b>Non-operating Temperature - Celsius</b>	–20° – 60°C
	<b>Non-operating Temperature - Fahrenheit</b>	29° – 140°F
	<b>Operating Humidity</b>	20% – 80% (non-condensing)
	<b>Non-operating Humidity</b>	5% – 95%
	<b>Operating Altitude</b>	1 – 5,000 m (16,400 ft.)
	<b>Non-operating Altitude</b>	1 – 12.192 m (40,000 ft.)
<b>Environmental Features and Certifications</b>	<b>Mercury-free LED display backlighting</b>	Yes, Mercury-free LED backlighting
	<b>Arsenic-Free Display Glass</b>	Yes
	<b>Agency Approvals and Certifications</b>	WW application CEL/ EUP Lot-6/CE/CB/TUV GS/TUV ERGO/ISO 9241-307/CSA/FCC/ KC/KCC/E-STAND BY/VCCI/CCC/BSMI
	<b>Microsoft WHQL Certification</b>	Win 10
	<b>China Energy Label</b>	CEL Grade 3
	<b>SmartWay Transport Partnership - NA only</b>	Yes (NA SKU)

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<b>Unit Product/Package Specifications</b>	<b>Product Dimensions</b> Unpacked with stand (W x D x H)	<b>64.21 x 24.80 x 57.28 cm</b>	25.28 x 9.76 x 22.55 in
	<b>Product Dimensions</b> Packed (W x D x H)	<b>78.4 x 38.0 x 49.4 cm</b>	30.87 x 14.96 x 19.45 in
	<b>Display Head Dimensions</b> Unpacked without stand (W x D x H)	<b>64.21 x 8.25 x 38.21 cm</b>	25.28 x 3.25 x 15.04 in
	<b>Base Area Footprint</b>	<b>299.99 x 247.99 mm</b>	11.81 x 9.76 in
	<b>Bezel Measurements</b>	<b>top 22 mm</b>	top 0.87 in
		<b>sides 21.5 mm</b>	sides 0.85 in
		<b>bottom 22 mm</b>	bottom 0.87 in
	<b>Product Weight</b> Unpacked with stand	<b>12.1 Kg</b>	26.6 lb
	<b>Product Weight</b> Packed	<b>16.0 kg</b>	35.27 lb
	<b>Product Weight</b> (Head Only)	<b>7.40 kg</b>	16.30 lb
<b>Pallet Information</b>	<b>Pallet Dimensions</b> (W x D x H)	<b>1140x784x120 mm</b>	44.9x30.9x4.7 inch
	<b>Pallet Total Weight</b>	<b>204.4 kg</b>	450.7 lbs
	<b>Pallet Layers</b>	4	
	<b>Pallet Product per Layer</b>	3	
	<b>Total Products per Pallet</b>	12	
	<b>Container Load, 20-Foot</b>	Pallet:168 Slipsheet:168	
	<b>Container Load, 40-Foot</b>	Pallet:360 Slipsheet:360	
	<b>Container Load, 40-Foot HighQ</b>	Pallet:360 Slipsheet:450	
<b>What's in the box?</b>	<b>Documentation</b>	AC power cord (1.9m) 6.2 ft DisplayPort™ Cable (1.8m) 5.9 ft HDMI cable (1.8m) 5.9 ft USB Type-C to C cable (1.8m) 5.9 ft USB Type-C to A cable (1.8m) 5.9 ft USB Type-B to A cable (1.8m) 5.9 ft CD (includes U.G., warranty, drivers, Calibration report)	
	<b>User Guide Languages</b>	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.	
<b>Other</b>	<b>Warranty Languages</b>	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.	
<b>Service and Warranty</b>	Protected by HP, including a 3-year standard limited warranty. Optional HP Care Pack Services are extended service contracts that extend your protection beyond the standard warranties. <sup>1</sup>		

### *Technical Specifications*

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### *Technical Specifications*

<b>Change Log</b>	
	V1 to V2